

**ABSTRACT**

Disclosed is a data service method in a private EV-DO wireless network system sharing a public network data location register (DLR). The method, in the private EV-DO wireless network system being interworked with a public EV-DO wireless network system, comprises the steps of: analyzing a message received from a private EV-DO network terminal to request the public network access network control (ANC) to perform a public network connection or request the private access network control (pANC) to perform a private network connection when an access network transceiver system (ANTS) receives a public network or private network call request from the private EV-DO network terminal; requesting and receiving, by the public network access network control (ANC) receiving the public network connection request, the public network data location register (DLR) to provide terminal session information for terminal authentication performance, or of requesting and receiving, by the private access network control (pANC) receiving the private network connection request, the terminal session information for the terminal authentication performance by communication through the public network data location register (DLR) and the dedicated line; and performing the authentication according the received session information and then performing the private network connection by the private access network control (pANC) or the public network connection by the public network access network control (ANC).